



Examples of Horizontal and Vertical Sight Plans

STOPPING SIGHT DISTANCE REQUIRED IN FEET
SPEED LIMIT IN MPH (CREST or SAG) K-VALUE

25	160'	16.93
30	200'	30.1
35	225'	38.1
40	275'	56.9
45	325'	79.5
50	400'	169.8
55	490'	180.7

STOPPING SIGHT DISTANCE is the distance required to see an object .5' in height from a drivers eye level of 3.5' in height and to stop on wet pavement.

K value is the coefficient by which the algebraic difference in grade may be multiplied to determine the length in feet of the vertical curve which will provide minimum stopping sight distance.

DEPARTMENT
OF
TRANSPORTATION



STOPPING SIGHT DISTANCE REQUIREMENTS
DETAIL 108